

For Research Use Only

CLN5 Recombinant antibody, PBS Only

Catalog Number: 85378-1-PBS



Basic Information

Catalog Number: 85378-1-PBS	GenBank Accession Number: BC153154	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 1203	CloneNo.: 242812H6
Source: Rabbit	UNIPROT ID: O75503	
Isotype: IgG	Full Name: ceroid-lipofuscinosis, neuronal 5	
Immunogen Catalog Number: AG18175	Calculated MW: 407 aa, 46 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse

Background Information

The CLN5 (ceroid lipofuscinosis neuronal protein 5) protein is ubiquitously expressed in the majority of tissues studied and in the brain, CLN5 shows both neuronal and glial cell expression. CLN5 plays a role in maintaining an acidic environment in the lysosomes, a critical feature for a functional lysosome (PMID: 38236309). Moreover, CLN5-deficient neuronal progenitor cells showed reduced thioesterase activity, confirming the live cell function of CLN5 in setting S-depalmitoylation levels (PMID: 35427157).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

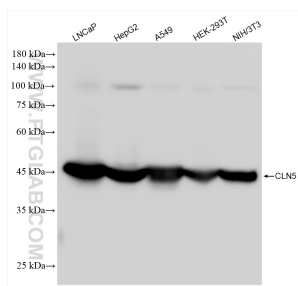
T: 4006900926

E: Proteintech-CN@ptglab.com

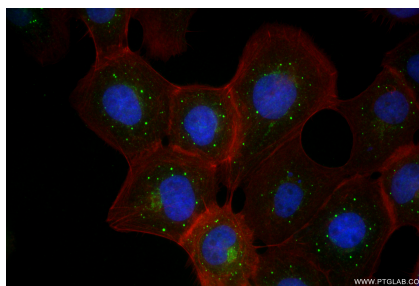
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85378-1-RR (CLN5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85378-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CLN5 antibody (85378-1-RR, Clone: 242812H6) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 85378-1-PBS in a different storage buffer formulation.